

In FIG. 17C, for example, the toggle area 831 has been previously selected so that a new visual guide 925 is provided adjacent the area. In addition, a plurality of areas 840 on the bezel 820 are designated for a number of user controls, which have visual guides 928 shown on the display 810 adjacent the bezel 820. In this example, the user controls available for viewing photos include contrast, brightness, zoom, and move. A user can select on of these areas 840 to access that corresponding control. Then, while the corresponding control is activated (either by highlighting the corresponding visual guide 928 or while the user continues touching the corresponding area 840), the user can adjust values or settings for the selected control using one or more areas 842 and 844 on other portions of the bezel 820. These areas 842 and 844 have adjacent visual guides 926 showing that they are used to adjust values. By reselecting the toggle area 831 in the lower right hand corner, the user can remove the visual guides 926 and 928 for the user controls from the screen 920.

[0109] In FIG. 18, an example screen 930 listing songs is shown on the display 810 of the device 800. A plurality of areas 864 on the right side of the bezel 820 adjacent visual guides 934 for the listed songs can be used to select, highlight, or open the corresponding song. An area 864 on the left side of the bezel 820 adjacent a scroll guide 934 can be used to scroll through the list of songs on the screen 930. If the user selects or highlights one of the listed songs, the user can select areas 850 to play/pause the song or areas 852, 854 to track forward or back from the selected song. These areas 850, 852, 854 have corresponding visual guides 935. The user can also select to add the selected song to a play list or can elect to view various play lists by selecting from additional areas 860 and 862 having visual guides 932. Depending on the amount of area of the display 810 available, one or more user controls 938 (e.g., volume level) can be displayed on the screen 930, and one or more unused areas 868 of the bezel 820 can be designated for the one or more user controls 938.

[0110] In FIG. 19, an example "now playing" screen 940 is shown on the display 810 of the device 800. The screen 940 shows information about the song that is currently being played on the device 800. As before, the area 850 on the bezel 820 is designated for play/pause user controls, and areas 852 and 854 are designated for previous track and next track, respectively. A plurality of areas 870 and 872 are provided on the sides of the bezel 820 adjacent various visual guides 942 corresponding to various user controls (e.g., time bar for song, equalizer selection, and volume level). In one possibility, the user can select to change the settings or values of any one of these user controls by tapping or holding on the areas 870 or 872 on either side of the adjacent visual guide 942 for a control to advance or reduce the setting or value. In another possibility, the user can select or highlight one of the user controls by tapping or holding on the areas 870 or 872 on either side of the adjacent visual guide 942 for a control, and the user can then advance or reduce the setting or value by sliding over an additional area 874 of the bezel 820 next to the visual guide 944 for adjustability.

[0111] As shown by the example multimedia device 800 of FIGS. 15 through 19, the touch sensitive bezel 820 and the user interface 900 according to certain teachings of the present disclosure can obtain and process various forms of touch data. For example, the touch sensitive bezel 820 can be used to sense touch gestures, such as touch and drag operations, made by the user. Using the touch gestures, a

user can perform a number of user controls, such as move portions of an image that are being displayed (e.g., page up or page down), move a cursor to drop and drag visual elements displayed (e.g., move a holder or file in a directory window), scroll up and down through a screen, skip through images in an album or series of images, adjust the setting or value of a user control, or perform similar operations. In addition, because the touch sensitive bezel 820 can also be configured to detect force, the pressure that a user applies to a designated area of the bezel 820 can be used to determine the amount, extent, or level of a setting, adjustment, or value of a user control.

[0112] Furthermore, the touch sensitive bezel 820 according to the present disclosure can be used to obtain touch data corresponding to multiple user controls simultaneously. For example, the user controls of the bezel 820 can be configured so that one side of the bezel 820 controls brightness with a touch and drag motion by the user, while the other side of the bezel 820 controls contrast with a touch and drag motion by the user. Thus, using both of these sides of the bezel 820, the user can simultaneously adjust both the contrast and the brightness of the display 810 using touch and drag motions on the sides of the bezel 820. These and other possibilities and combinations will be apparent to one skilled in the art having the benefit of the present disclosure.

[0113] The foregoing description of preferred and other embodiments shows several different configurations of electronic devices. Certain features, details, and configurations were disclosed in conjunction with each embodiment. However, one skilled in the art will understand (1) that such features, details, and configurations can be used with the various different embodiments, even if such features, details, and configurations were not specifically mentioned in conjunction with a particular embodiment, and (2) that this disclosure contemplates various combinations of the features, details, and configurations disclosed herein. More specifically, the foregoing description of preferred and other embodiments is not intended to limit or restrict the scope or applicability of the inventive concepts conceived of by the Applicants. In exchange for disclosing the inventive concepts contained herein, the Applicants desire all patent rights afforded by the appended claims. Therefore, it is intended that the appended claims include all modifications and alterations to the full extent that they come within the scope of the following claims or the equivalents thereof.

What is claimed is:

1. An electronic device, comprising:

a display positioned on the electronic device and having a perimeter;

at least one touch sensitive surface positioned on the electronic device adjacent at least a portion of the perimeter of the display; and

processing circuitry operatively connected to the display and to the at least one touch sensitive surface, the processing circuitry configured to:

designate at least one area of the at least one touch sensitive surface for at least one control;

generate at least one visual guide for the at least one control; and

present the at least one visual guide for display at a location on the display adjacent the at least one area designated for the at least one control.